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Terms	Documents
((707/3)!.CCLS.)	1938

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Database:**Search:****Refine Search****Recall Text****Clear****Search History****DATE: Tuesday, July 23, 2002** [Printable Copy](#) [Create Case](#)

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<u>L18</u>	((707/3)!.CCLS.)	1938	<u>L18</u>
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<u>L16</u>	((709/217)!.CCLS.)	1354	<u>L16</u>
<u>L15</u>	L13 and geographic same database	10	<u>L15</u>
<u>L14</u>	L13 and geographic near database	0	<u>L14</u>
<u>L13</u>	consolidat\$ near2 database	116	<u>L13</u>
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<u>L11</u>	L10 and cod\$	353	<u>L11</u>
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<u>L8</u>	build\$ near2 database	1615	<u>L8</u>
<u>L7</u>	geographic same database and l1	11	<u>L7</u>
<u>L6</u>	L2 and geographic same database	0	<u>L6</u>
<u>L5</u>	L3 and geographic same database	0	<u>L5</u>
<u>L4</u>	L3 and geographic near2 database	0	<u>L4</u>
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<u>L1</u>	anchor near2 point	8228	<u>L1</u>

END OF SEARCH HISTORY

WEST

L7: Entry 6 of 11

File: USPT

Aug 8, 2000

US-PAT-NO: 6101496

DOCUMENT-IDENTIFIER: US 6101496 A

TITLE: Ordered information geocoding method and apparatus

DATE-ISSUED: August 8, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Esposito; David J.	Delmar	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
MapInfo Corporation	Troy	NY			02

APPL-NO: 09/ 093259 [PALM]

DATE FILED: June 8, 1998

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/6; 379/220, 701/207, 701/208, 705/10, 705/62, 707/3, 707/4, 707/5, 707/7, 707/104

US-CL-CURRENT: 707/6; 701/207, 701/208, 705/10, 705/62, 707/104.1, 707/3, 707/4, 707/5, 707/7

FIELD-OF-SEARCH: 707/3-8, 707/104, 707/530, 707/532, 701/207-208, 705/10, 705/62, 379/220

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4827419</u>	May 1989	Selby, III	707/104
<input type="checkbox"/> <u>4839700</u>	June 1989	Ramesham et al.	357/2
<input type="checkbox"/> <u>4879658</u>	November 1989	Takashima et al.	701/207
<input type="checkbox"/> <u>4888699</u>	December 1989	Knoll et al.	701/207
<input type="checkbox"/> <u>4982332</u>	January 1991	Saito et al.	701/208
<input type="checkbox"/> <u>4989151</u>	January 1991	Nuimura	701/207
<input type="checkbox"/> <u>5133052</u>	July 1992	Bier et al.	707/530
<input type="checkbox"/> <u>5210868</u>	May 1993	Shimada et al.	701/200
<input type="checkbox"/> <u>5381338</u>	January 1995	Wysocki et al.	701/207
<input type="checkbox"/> <u>5426780</u>	June 1995	Gerull et al.	707/3
<input type="checkbox"/> <u>5448696</u>	September 1995	Shimada et al.	345/357
<input type="checkbox"/> <u>5470233</u>	November 1995	Fruchterman et al.	434/112
<input type="checkbox"/> <u>5487139</u>	January 1996	Saylor et al.	345/435
<input type="checkbox"/> <u>5506897</u>	April 1996	Moore et al.	379/127
<input type="checkbox"/> <u>5532838</u>	July 1996	Barbari	358/400
<input type="checkbox"/> <u>5533107</u>	July 1996	Irwin et al.	379/201
<input type="checkbox"/> <u>5546578</u>	August 1996	Takada	707/5
<input type="checkbox"/> <u>5553407</u>	September 1996	Stump	37/348
<input type="checkbox"/> <u>5568384</u>	October 1996	Robb et al.	707/532
<input type="checkbox"/> <u>5594650</u>	January 1997	Shah et al.	701/207
<input type="checkbox"/> <u>5634049</u>	May 1997	Pitkin	707/102
<input type="checkbox"/> <u>5636122</u>	June 1997	Shah et al.	701/207
<input type="checkbox"/> <u>5646629</u>	July 1997	Loomis et al.	701/300
<input type="checkbox"/> <u>5794178</u>	August 1998	Caid et al.	704/9
<input type="checkbox"/> <u>5901214</u>	May 1999	Shaffer et al.	379/220
<input type="checkbox"/> <u>5982868</u>	November 1999	Shaffer et al.	379/220

OTHER PUBLICATIONS

Fiset, R. et al., "An automatic road extraction method using a map-guided approach combined with neural networks for cartographic database validation purposes", International Geoscience and Remote Sensing Symposium, May 1996. IGARSS '96. Remote Sensing for.

Kamijo, S. et al., "Digital road map database for vehicle navigation and road information systems", Conference Record Vehicle Navigation and Information System Conference, Sep. 11-13, 1989, pp. 319-323.

Kawamura, H. et al., "N-land database for research of the Japanese land and coastal area with complicated geographical features", International Geoscience and Remote Sensing Symposium, IGARSS '93. Better Understanding of Earth Environment, Aug. 18-21, 1993.

Silberschatz, A. et al., "Operating System Concepts", Addison-Wesley Publishing Company, Inc., Fourth Edition, Jan. 1995, ISBN 0-201-50480-4, Chapter 3, sections 3.3.3 and 3.3.5, pp. 72-73.

Suter, M. et al., "Automated generation of visual simulation databases using remote sensing and GIS", Proceedings, IEEE Conference on Visualization, 1995. Visualization '95., Oct. 29-Nov. 3, 1995, pp. 86-93.

Sweeney, I.E., Jr., "Comparative benefits of various automotive navigation and routing technologies", IEEE 1996 Position Location and Navigation Symposium, Apr. 22-26, 1996, pp. 415-421.

ART-UNIT: 271

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Alam; Shahid

ABSTRACT:

Ordered information data 22 is combined with prior geocoded data 21 to improve geocoding. The combined records are sorted by precision 33. The two highest precision groups are interpolated to further geocode the records and provide enhanced street address products 42.

29 Claims, 13 Drawing figures

WEST

L7: Entry 10 of 11

File: USPT

Jul 29, 1997

US-PAT-NO: 5651676

DOCUMENT-IDENTIFIER: US 5651676 A

TITLE: Method of organizing and storing simulated scenery in a flight simulation system

DATE-ISSUED: July 29, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artwick; Bruce Arthur	Champaign	IL		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA			02

APPL-NO: 08/ 116155 [PALM]

DATE FILED: September 2, 1993

INT-CL: [06] G09 B 9/08, G09 B 19/16

US-CL-ISSUED: 434/43; 434/38, 434/307R, 395/127

US-CL-CURRENT: 434/43; 345/427, 434/307R, 434/38

FIELD-OF-SEARCH: 434/12, 434/29, 434/30, 434/33, 434/34, 434/37, 434/38, 434/43, 434/118, 434/130, 434/150, 434/153, 434/37R, 434/365, 364/578, 395/118, 395/119, 395/128-131

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4343037</u>	August 1982	Bolton	434/43 X
<input type="checkbox"/> <u>4645459</u>	February 1987	Graf et al.	434/43
<input type="checkbox"/> <u>4714428</u>	December 1987	Bunker et al.	434/43
<input type="checkbox"/> <u>4873585</u>	October 1989	Blanton et al.	395/127 X
<input type="checkbox"/> <u>5319793</u>	June 1994	Hancock et al.	395/125 X
<input type="checkbox"/> <u>5338200</u>	August 1994	Olive	434/43

ART-UNIT: 332

PRIMARY-EXAMINER: Cheng; Joe

ABSTRACT:

The present invention is an improved flight simulation system. The system organizes data based upon a predetermined number of object types. Each scenery file is divided to separate the data for each object type. Object data is sub-divided into latitude bands of a fixed range of latitude. The system selectively analyzes the latitude band data to locate objects to be processed. For each object type, the objects within a latitude band

are sorted and analyzed from west to east. The present system also includes a seeded scenery system. Various levels of seeds, each seed size referring to the size of the area covered by each seed are used. The seeded scenery system provides background scenery only when no other scenery is available to overwrite it. The system also includes a dynamic overlay management system which, when it loads a routine into memory, rewrites the line of code which called the routine to be a call directly to the location of the routine which is now in memory.

32 Claims, 9 Drawing figures

WEST Generate Collection

L7: Entry 7 of 11

File: USPT

Jul 27, 1999

US-PAT-NO: 5930474

DOCUMENT-IDENTIFIER: US 5930474 A

TITLE: Internet organizer for accessing geographically and topically based information

DATE-ISSUED: July 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dunworth; Peter D.	Huntington Beach	CA		
Veenstra; John W.	Balboa Island	CA		
Nagelkirk; Joan	Balboa Island	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Z Land LLC	Santa Ana	CA			02

APPL-NO: 08/ 595026 [PALM]

DATE FILED: January 31, 1996

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 395/200.47; 707/10

US-CL-CURRENT: 709/217; 707/10

FIELD-OF-SEARCH: 395/200.47, 395/200.48, 395/200.49, 707/4, 707/10, 707/103, 707/501

PRIOR-ART-DISCLOSED:

OTHER PUBLICATIONS

author unknown, Yahoo! Company History, www.yahoo.com/info/misc/history.html, p. 1, Dec. 1994.

Mark Brown et al., Special Edition Using Netscape 2, pp. 182-207, Jan. 1995.

Yahoo Regional category, directory pages, pp. 1-3, Dec. 1994.

Newsbytes, Open Text Teams with Yahoo!, Newsbytes Inc., (Full text), Sep. 1995.

Dennis S. Arnon et al., Using Structured Documents for Implementing Product/Service Yellow Pages Architecture on the Internet, pp. 312-321, Dec. 1994.

Internet release announcing new "Get Local" service,

<http://www.yahoo.com/docs/pr/release57.html>. Aug. 26, 1996.

Noglows, et al., "Coming Soon to a Town Near You: The LocalNet", Hambrecht & Quist LLC Institutional Research, vol. 1, Issue 1, Nov. 1996.

Weintraut, et al., "The Internet: Webbing The Information Economy", Hambrecht & Quist LLC Institutional Research, Sep. 22, 1995.

Screenshot of Home page for online yellow pages located at Internet address:

WWW.bigbook.COM (6 pages), Jan. 1996.

ART-UNIT: 278

PRIMARY-EXAMINER: Maung; Zarni

ASSISTANT-EXAMINER: Winder; Patrice L.

ABSTRACT:

A software interface organizes information predicated upon the geographical area of the resources about which the information is desired. A user is presented with a "viewpoint" map which may comprise, for example, an actual visually displayed map of a selected geographical area, or text information which pertains to the resources associated with the

selected geographical area. A geography database, a local content database and a yellow pages database are provided to allow the user to obtain information at different levels. The geography database allows the user to browse through different geographic areas of which are ordered hierarchically, while the local content database includes information about general goods and services available within a given geographic location and the yellow pages database includes information about specific goods and services in the geographic location. Thus, the user is provided with a means whereby information which is associated with particular geographic locations can be readily accessed.

39 Claims, 23 Drawing figures

WEST

L15: Entry 8 of 10

File: USPT

Jul 14, 1998

US-PAT-NO: 5781773

DOCUMENT-IDENTIFIER: US 5781773 A

TITLE: Method for transforming and storing data for search and display and a searching system utilized therewith

DATE-ISSUED: July 14, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE COUNTRY
Vanderpool; Thomas R.	White Bear Township, County of Ramsey	MN
Lenz; Craig K.	Menomonie	WI
Parro; TJ	Woodbury	MN
Threlfall; John D.	Pine Springs	MN
Vanderpool; Brian T.	White Bear Township, County of Ramsey	MN

ASSIGNEE-INFORMATION:

NAME	CITY	STATE ZIP CODE COUNTRY TYPE CODE
Minnesota Mining and Manufacturing Company	St. Paul MN	02

APPL-NO: 08/ 916868 [PALM]

DATE FILED: August 22, 1997

PARENT-CASE:

This is a continuation of application Ser. No. 08/438,342, filed 10 May 1995 and now abandoned.

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 395/611; 395/613

US-CL-CURRENT: 707/100; 707/102

FIELD-OF-SEARCH: 395/601, 395/611, 395/612, 395/613, 395/614, 395/615, 395/616, 345/334, 345/335, 345/336, 345/339, 345/340

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4429385</u>	January 1984	Cichelli et al.	370/92
<input type="checkbox"/> <u>4829453</u>	May 1989	Katsuta et al.	364/521
<input type="checkbox"/> <u>4870576</u>	September 1989	Tornetta	364/401
<input type="checkbox"/> <u>4905163</u>	February 1990	Garber et al.	364/513
<input type="checkbox"/> <u>5032989</u>	July 1991	Tornetta	364/401
<input type="checkbox"/> <u>5146548</u>	September 1992	Bijnagte	395/117
<input type="checkbox"/> <u>5235680</u>	August 1993	Bijnagte	395/161
<input type="checkbox"/> <u>5241671</u>	August 1993	Reed et al.	395/600
<input type="checkbox"/> <u>5265246</u>	November 1993	Li et al.	395/600
<input type="checkbox"/> <u>5325297</u>	June 1994	Bird et al.	364/419.07

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 460 869 A3	December 1991	EP	
WO 95/12176	May 1995	WO	

OTHER PUBLICATIONS

Top Producer.RTM. 5.1 for Windows, User's Guide 1994 Top Producer Systems, Inc.
 Quick Time for Windows, Chapter 3--Image Compression Manager (Sep. 1993).
 Product Literature, Top Producer.RTM. For Windows--Simply the Best Real Estate Sales and Marketing Software, Top Producer Systems Inc. (from real estate trade show Apr. 1994).
 Product Literature, On-Line Software, Inc.--The standard in Real Estate Software (from real estate trade show Apr. 1994).
 Product Literature, HomeScope.TM. Multiple listings on CD-ROM, PRC Realty Systems, Inc. (Nov. 1994).
 Product Literature, 3M MSDS Access System, A Cost-Effective Distribution of Material Safety Data Sheet Information on CD-ROM (1995) (Product available prior to 1994).
 Product Literature, 3M CD Stock--Stock Photography on CD, 3M Imaging (1993).
 Article, "Digital Photo catalogs Transform Creative Process," Computer artist, (Oct./Nov. 1994).

ART-UNIT: 237

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Ho; Ruay Lian

ABSTRACT:

A method of transforming and storing data for search and display by a computer system includes formatting and aligning data records of a plurality of objects to a common table mapped format. The formatted and aligned data records are merged and a database is generated therefrom. The database is stored on an optical disc and includes index tables corresponding to searchable data fields. Image data for the objects is compressed and a main compressed image and an image of lesser resolution are randomly stored to a plurality of storage subdirectories on an optical disc. A program for searching and further processing the stored data is also stored on the optical disc with the database and the storage subdirectories. The program for search and display of the data uses an index bar interface for searching the indexed tables. The objects may include real estate properties.

37 Claims, 14 Drawing figures

09439550_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09439550 on July 17, 2002

Original Classifications

7 379/211.02
7 701/207
5 379/220.01
4 701/208
3 701/201
3 701/211
3 705/80
3 707/10
3 707/102
2 340/995
2 701/117
2 701/200
2 701/209
2 701/210
2 701/300
2 702/150
2 705/2
2 707/104.1
2 707/4

Cross-Reference Classifications

20 340/995
19 340/990
13 701/208
10 701/213
8 379/207.12
7 701/201
6 340/988
6 379/207.15
5 342/357.13
5 342/457
5 379/207.14
5 701/207
5 701/211
4 379/211.02
4 379/219
4 379/88.01
4 379/88.13
4 701/202
4 701/209
4 701/212
4 705/26
4 707/102

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4 707/104.1
3 209/584
3 379/223
3 701/200
3 707/200
2 209/900
2 340/996
2 345/418
2 358/403
2 379/201.02
2 379/221.09
2 379/246
2 379/88.2
2 382/190
2 455/422
2 455/429
2 701/117
2 704/270.1
2 707/100
2 707/201
2 707/3
2 707/4
2 707/5
2 707/6

Combined Classifications

22 340/995
19 340/990
17 701/208
12 701/207
11 379/211.02
10 701/201
10 701/213
8 379/207.12
8 701/211
7 340/988
7 707/102
6 379/207.15
6 701/209
6 707/104.1
5 342/357.13
5 342/457
5 379/207.14
5 379/220.01
5 701/200
4 379/219
4 379/88.01
4 379/88.13

4 701/117
4 701/202
4 701/212
4 705/26
4 707/4
3 209/584
3 345/418
3 379/223
3 379/88.2
3 701/210
3 701/300
3 702/150
3 705/80
3 707/10
3 707/100
3 707/200
3 707/6
2 209/900
2 340/996
2 342/357.08
2 342/357.14
2 358/403
2 358/442
2 379/201.02
2 379/221.09
2 379/246
2 382/190
2 455/422
2 455/429
2 704/270.1
2 705/2
2 707/101
2 707/201
2 707/3
2 707/5

09439550_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09439550 on July 17, 2002

- 22 340/995 (2 OR, 20 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION
340/995 .Map display
- 19 340/990 (0 OR, 19 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION
340/989 .At remote location
340/990 ..With map display
- 17 701/208 (4 OR, 13 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/208 ..For use in a map data base system
- 12 701/207 (7 OR, 5 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
- 11 379/211.02 (7 OR, 4 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/201.01 SPECIAL SERVICES
379/211.01 .Call diversion (e.g., call capture)
379/211.02 ..Call forwarding
- 10 701/201 (3 OR, 7 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/201 .Determination of travel data based on the
start point and destination point
- 10 701/213 (0 OR, 10 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/213 ..Using Global Positioning System (GPS)

09439550_CLSTITLES

8 379/207.12 (0 OR, 8 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/201.01 SPECIAL SERVICES
379/207.02 .Service trigger (activation or deactivation)

379/207.12 ..Party location

8 701/211 (3 OR, 5 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/208 ..For use in a map data base system
701/211 ...Having audio or visual route guidance

7 340/988 (1 OR, 6 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION

7 707/102 (3 OR, 4 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
ROCESSING
707/100 DATABASE SCHEMA OR DATA STRUCTURE
707/102 .Generating database or data structure (e.g.,
via user interface)

6 379/207.15 (0 OR, 6 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/201.01 SPECIAL SERVICES
379/207.02 .Service trigger (activation or deactivation)

379/207.15 ..Automatic number identification or calling
number identification (ANI or CLID)

6 701/209 (2 OR, 4 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/208 ..For use in a map data base system
701/209 ...Including route searching or determining
device

6 707/104.1 (2 OR, 4 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P

09439550_CLSTITLES

ROCESSING

- 707/100 DATABASE SCHEMA OR DATA STRUCTURE
707/104.1 .Application of database or data structure
 (e.g., distributed, multimedia, image)
- 5 342/357.13 (0 OR, 5 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
 Glonass)
342/357.13 With storage device (i.e., map or database
)
- 5 342/457 (0 OR, 5 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
342/350 DIRECTIVE
342/450 .Position indicating (e.g., triangulation)
342/457 ..Land vehicle location (e.g., bus, police car)
- 5 379/207.14 (0 OR, 5 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/201.01 SPECIAL SERVICES
379/207.02 .Service trigger (activation or deactivation)
 379/207.14 ..Dialed number identification service (DNIS)
- 5 379/220.01 (5 OR, 0 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/219 PLURAL EXCHANGE NETWORK OR INTERCONNECTION
379/220.01 .With interexchange network routing
- 5 701/200 (2 OR, 3 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
701/200 NAVIGATION
- 4 379/219 (0 OR, 4 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/219 PLURAL EXCHANGE NETWORK OR INTERCONNECTION
- 4 379/88.01 (0 OR, 4 XR)

09439550_CLSTITLES

Class 379 : TELEPHONIC COMMUNICATIONS
379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

379/88.01 .Voice activation or recognition

4 379/88.13 (0 OR, 4 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

379/88.13 .Multimedia system (e.g., voice output combine
d with fax, video, text, etc.)

4 701/117 (2 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION
701/117 .Traffic analysis or control of surface vehicl
e

4 701/202 (0 OR, 4 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
701/200 NAVIGATION
701/201 .Determination of travel data based on the
 start point and destination point
701/202 ..Route pre-planning

4 701/212 (0 OR, 4 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/208 ..For use in a map data base system
701/212 ...Having variable map scale

4 705/26 (0 OR, 4 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
 PRACTICE OR MANAGEMENT ARRANGEMENT
705/26 .Electronic shopping (e.g., remote ordering)

4 707/4 (2 OR, 2 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE

09439550_CLSTITLES

MANAGEMENT, DATA STRUCTURES, OR DOCUMENT

P

ROCESSING

- 707/1 DATABASE OR FILE ACCESSING
- 707/3 .Query processing (i.e., searching)
- 707/4 ..Query formulation, input preparation, or translation

3 209/584 (0 OR, 3 XR)

Class 209 : CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS

209/509 SORTING SPECIAL ITEMS, AND CERTAIN METHODS AND APPARATUS (E.G., POCKET TYPE AND LIGHT

RESPONSIVE SORTING,

ETC.) FOR SORTING ANY ITEMS

209/552 .Condition responsive means controls separatin
g
means

209/576 ..Sensing radiant energy reflected, absorbed,
emitted, or obstructed by item or adjunc

t thereof

209/577 ...Infrared, visible light, or ultraviolet

209/583Reading indicia

209/584On mail

3 345/418 (1 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL

DISPLAY

SYSTEMS

345/418 COMPUTER GRAPHICS PROCESSING

3 379/223 (0 OR, 3 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/219 PLURAL EXCHANGE NETWORK OR INTERCONNECTION

379/222 .Toll center

379/223 ..With operator assistance

3 379/88.2 (1 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

379/88.19 .Call source identification

379/88.2 ..Automatic Number Identification (ANI)

3 701/210 (2 OR, 1 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION

701/200 NAVIGATION

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701/207 .Employing position determining equipment
 701/208 ..For use in a map data base system
 701/209 ...Including route searching or determining device
 701/210Route correction, modification, or verification

3 701/300 (2 OR, 1 XR)
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
 701/300 RELATIVE LOCATION

3 702/150 (2 OR, 1 XR)
 Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING
 702/127 MEASUREMENT SYSTEM
 702/150 .Orientation or position

3 705/80 (3 OR, 0 XR)
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
 705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY
 705/80 .Electronic negotiation

3 707/10 (3 OR, 0 XR)
 Class 707 : DATA PROCESSING: DATABASE AND FILE MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
 ROCESSING
 707/1 DATABASE OR FILE ACCESSING
 707/10 .Distributed or remote access

3 707/100 (1 OR, 2 XR)
 Class 707 : DATA PROCESSING: DATABASE AND FILE MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
 ROCESSING
 707/100 DATABASE SCHEMA OR DATA STRUCTURE

3 707/200 (0 OR, 3 XR)
 Class 707 : DATA PROCESSING: DATABASE AND FILE MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
 ROCESSING
 707/200 FILE OR DATABASE MAINTENANCE

3 707/6 (1 OR, 2 XR)
 Class 707 : DATA PROCESSING: DATABASE AND FILE MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
 ROCESSING

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707/1 DATABASE OR FILE ACCESSING
707/3 .Query processing (i.e., searching)
707/6 ..Pattern matching access

2 209/900 (0 OR, 2 XR)
Class 209 : CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS

209/900 SORTING FLAT-TYPE MAIL

2 340/996 (0 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION
340/996 .Prerecorded message describes position

2 342/357.08 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)
342/357.08Determining relative position (e.g.,
distance or direction)

2 342/357.14 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)
342/357.14Combined with secondary navigation system
(i.e., LORAN, gyroscope, inertial, dead rec
koning, etc.)

2 358/403 (0 OR, 2 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING

358/400 FACSIMILE
358/403 .Document filing and retrieval system

2 358/442 (1 OR, 1 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING

358/400 FACSIMILE
358/442 .Facsimile system interface

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- 2 379/201.02 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/201.01 SPECIAL SERVICES
379/201.02 .Service profile (e.g., calling service)
- 2 379/221.09 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/219 PLURAL EXCHANGE NETWORK OR INTERCONNECTION
379/220.01 .With interexchange network routing
379/221.08 ..Advanced intelligent network (AIN)
379/221.09 ...Service control point (SCP, ISCP, external database)
- 2 379/246 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/242 CENTRALIZED SWITCHING SYSTEM
379/245 .Identification
379/246 ..Of line or trunk
- 2 382/190 (0 OR, 2 XR)
Class 382 : IMAGE ANALYSIS
382/181 PATTERN RECOGNITION
382/190 .Feature extraction
- 2 455/422 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/403 RADIOTELEPHONE SYSTEM
455/422 .Zoned or cellular telephone system
- 2 455/429 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/403 RADIOTELEPHONE SYSTEM
455/422 .Zoned or cellular telephone system
455/427 ..Space satellite
455/429 ...Cell projection
- 2 704/270.1 (0 OR, 2 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/270 .Application
704/270.1 ...Speech assisted network
- 2 705/2 (2 OR, 0 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS

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PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION

ACTION		
	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS PRACTICE OR MANAGEMENT ARRANGEMENT
	705/2	.Health care management (e.g., record management, ICDA billing)
PROCESSING	2 707/101	(1 OR, 1 XR)
	Class 707	: DATA PROCESSING: DATABASE AND FILE MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
PROCESSING	707/100	DATABASE SCHEMA OR DATA STRUCTURE
	707/101	.Manipulating data structure (e.g., compression, compaction, compilation)
PROCESSING	2 707/201	(0 OR, 2 XR)
	Class 707	: DATA PROCESSING: DATABASE AND FILE MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
PROCESSING	707/200	FILE OR DATABASE MAINTENANCE
	707/201	.Coherency (e.g., same view to multiple users)
PROCESSING	2 707/3	(0 OR, 2 XR)
	Class 707	: DATA PROCESSING: DATABASE AND FILE MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
PROCESSING	707/1	DATABASE OR FILE ACCESSING
	707/3	.Query processing (i.e., searching)
PROCESSING	2 707/5	(0 OR, 2 XR)
	Class 707	: DATA PROCESSING: DATABASE AND FILE MANAGEMENT, DATA STRUCTURES, OR DOCUMENT P
PROCESSING	707/1	DATABASE OR FILE ACCESSING
	707/3	.Query processing (i.e., searching)
	707/5	..Query augmenting and refining (e.g., inexact access)

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6101496 42
6381324 39
5636122 34
5758313 34
5884216 34
6026345 34
6088648 34
6363320 34
5796634 33
5978747 33
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adapted 1
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against 6
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all 4
allow 1
allowing 1
allows 2
along 2
also 8
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anchored 1
and 49
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any 9
anyone 1
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appears 1
application 1
applications 1
applies 1
appreciation 1
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approximations 1
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attorney 11
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bottom 2
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can 3
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centroid 31
centroids 6
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chart 1
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city 2
cleveland 1
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coding 3

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com 1
combines 1
combining 1
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commonly 1
comparison 1
complete 2
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comprising 1
computational 1
computer 3
confirmed 1
conjunction 1
connected 1
connection 1
considered 3
consists 1
contained 1
contains 1
control 1
converting 1
conveyed 1
coordinates 3
copyright 4
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correlated 1
correlating 1
correlation 1
corresponding 4
cost 1
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creates 2
criteria 3
cty 1
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database 29
databases 1
december 1
default 1
defining 2
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distinction 1
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drawings 1
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endpoint 2

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feature 2
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find 1
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five 1
fixed 1
flags 1
flat 1
flower 1
following 1
for 31
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francisco 3
fro 1
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fuel 1
further 2
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generally 2
generator 1

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highly 1
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however 3
hsv 1
http 2
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identified 5
identifier 4
identify 1
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if 2
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illustration 1
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in 44
include 2
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includes 6
including 5
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info 2
information 32
input 2
instead 1
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interest 1
internet 4
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interpolating 1
into 3

invention 15
inventor 1
involves 1
is 33
it 2
item 2
items 7
its 2
itself 1
jwc 23
jwcjwc 1
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known 6
larger 1
lat 8
latitude 2
layer 15
layers 6
least 3
like 1
line 13
lines 7
link 1
linked 1
linking 2
loading 2
located 2
location 20
locations 21
long 7
longitude 2
longs 1
louie 1
made 1
mail 13
main 2
maintained 4
make 1
making 1
malibu 1
many 2
map 19
mapping 3
mapquest 5
maps 11
mapsonus 3
market 2
match 9

matched 4
matches 16
matching 2
material 1
may 12
mcf 13
menu 1
method 2
methods 2
might 1
miramar 1
more 8
multiple 7
name 2
names 1
necessarily 1
need 1
needed 1
net 2
new 2
next 1
no 10
nodes 1
not 12
notches 2
nothere 2
notice 1
number 1
ny 1
object 2
objection 1
objects 2
obtained 1
of 97
office 1
often 2
oh 1
omcf 1
on 33
one 10
only 2
onto 4
opportunity 1
or 55
orbit 1
orbital 2
order 1
oriented 1

other 23
otherwise 1
output 1
over 1
owner 1
park 1
parks 1
parma 1
part 2
particularly 1
pass 4
passed 1
patent 6
paths 1
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performed 1
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perhaps 1
placed 5
placement 1
planning 1
point 16
points 8
poland 1
pop 2
populated 1
population 2
portion 1
portrayed 1
position 5
possible 1
post 2
postal 1
precisely 2
precision 6
predetermined 2
present 8
printed 3
prior 2
problem 1
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process 1
program 3
programs 1
protection 1
provide 1
provides 5
providing 3

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pull 1
purchasing 1
query 5
racetk 1
radial 15
radials 6
radius 2
range 3
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readily 1
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record 1
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regarding 1
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reverse 1
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rights 1
ro 1
roads 1
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routes 2
routing 1
said 7
same 12

sameplace 2
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satellite 9
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screen 2
search 8
searched 4
searches 2
searching 9
second 4
seen 1
segment 6
segments 2
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separately 1
sequence 1
serial 1
set 2
several 2
shaded 1
shapes 1
shortcut 1
shown 6
side 1
similar 1
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situations 1
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software 3
some 2
source 6
sources 2
specific 1
spherical 1
st 10
state 2
states 1
step 1
steps 3
still 1
stored 3
stores 2
street 14

streets 4
subject 1
subsequent 1
subtracting 1
such 4
summary 1
suranyi 1
system 1
table 3
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take 1
taking 1
tasks 2
techniques 1
th 1
than 2
that 8
the 127
their 2
themselves 2
then 1
there 1
thereby 1
therefore 2
thereof 1
they 2
this 3
tis 1
to 50
too 1
track 1
tracking 7
trademark 1
traditional 1
travel 1
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type 2
types 5
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use 2
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various 1
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virtual 1
visibility 1
visible 2
visitors 1
was 4
whatsoever 1
when 3
where 1
wherein 1
which 4
will 2
window 1
wings 1
wintrak 2
with 18
within 1
without 1
worth 1
wpd 13
www 2
year 1
york 1
zip 14

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I1 and map\$ same information	10

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Search for PCT application.

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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	l1 and map\$ same information	10	<u>L14</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	l12 and map\$	8	<u>L13</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	l11 and match\$ same data	19	<u>L12</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	l5 and satellite information	69	<u>L11</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	l9 and satellite information	0	<u>L10</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	l8 and data same match	62	<u>L9</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	l7 and map	240	<u>L8</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	l5 and (single layer or one layer)	989	<u>L7</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	l5 and single layer or one layer	73704	<u>L6</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	database	72255	<u>L5</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	single layer database	1	<u>L4</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	5487139.uref.	9	<u>L3</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	5487139.pn.	3	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	geocoded same database	13	<u>L1</u>